Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1.   (Currently Amended) A document management system, comprising:

~~one or more~~ a plurality of document repositories for storing documents;

a document notification and delivery service (DNDS) for detecting documents pertaining to subjects of interest that are stored in the document repositories;

a plurality of notification targets for subscribing to subjects at the DNDS to receive alerts when documents are identified that pertain to one or more subscribed subjects of interest; and

a plurality of workflow modules, that can be added or removed, subscribing to the DNDS to receive documents identified that pertain to one or more subscribed subjects of interest; at least two workflow modules producing one or more documents that are published to one or more of the document repositories;

wherein a first workflow module publishes to one of the document repositories a first document which is detected by the DNDS and which pertains to at least one subscribed subject of interest of a second workflow module;

~~wherein~~ subsequent to the publication of the first document by the DNDS to the one of the document repositories, the DNDS processes the first document and then delivers the first document to the second workflow module that does not require the first workflow module to produce a second document; ~~and~~

the DNDS includes a subject refinement module for monitoring document notifications and delivery requests associated with the document notifications to provide subject refinement data, and using the subject refinement data to refine subjects in a subject

directory for representing subjects of the plurality of documents in the plurality of document

repositories;

~~wherein~~ one of the at least two workflow modules is associated with a user

that performs one or more tasks to produce one or more documents that are managed by a

workflow module according to subject matter described in the one or more documents.

2.   (Canceled)

3.   (Previously Presented) The document management system according to

claim 1, wherein one of the plurality of workflow modules is one of a web service and a

process associated with a user that performs one or more tasks to produce the one or more

documents.

4.   (Canceled)

5.   (Currently Amended) The document management system according to

~~claim 4,~~ claim 1, wherein the DNDS processes the first document by performing one of

summarization, enrichment, and translation.

6.   (Previously Presented) The document management system according to

claim 1, wherein the DNDS further comprises means for:

(a)   monitoring events and attributes concerning detected documents for

which notification or delivery are performed; and

(b)   using the monitored events and attributes to identify ones of the

detected documents as highly rated documents for notification to users not originally

subscribed to the subject of interest for which the notification or delivery is performed.

7.   (Previously Presented) The document management system according to

claim 1, wherein the DNDS further comprises:

a plurality of document repositories with each being adapted to store a

plurality of documents;

a subject directory for representing subjects of the plurality of documents in the plurality of document repositories;

a profile directory for representing a plurality of users accounts, with each user account subscribing to at least one subject of interest;

a subject refinement module for:

monitoring document notifications and delivery requests associated with the document notifications to provide subject refinement data; and

using the subject refinement data to refine subjects in the subject directory.

8.   (Currently Amended) The document management system according to claim 1, wherein the DNDS further comprises:

~~a plurality of document repositories with each being adapted to store a plurality of documents;~~

~~a subject directory for representing subjects of the plurality of documents in the plurality of document repositories;~~

a profile directory for representing a plurality of users accounts, with each user account subscribing to at least one subject of interest; and

~~a profile refinement module for:~~

~~monitoring frequency of user delivery requests for document notifications concerning each subscribed subject of interest to provide profile refinement data; and~~

~~using~~ the profile refinement ~~data to refine user~~ module refines user preferences for document notification and delivery.

9.   (Previously Presented) The document management system according to claim 1, wherein the DNDS further comprises a failure recovery module for:

recording component failure information;

assigning each of the document repositories according to one of a plurality of operating behaviors using the component failure information; and

determining appropriate action to take in response to component identified failures using the operating behavior assigned to the document repository to which the component is associated;

wherein the plurality of operating behaviors are rated as one of: "very reliable," "reliable," "unreliable," and "very unreliable."

10. (Previously Presented) A method for operating a document management system, comprising:

storing documents in one or more document repositories;

detecting documents pertaining to subjects of interest that are stored in the document repositories with a document notification and delivery service (DNDS); and

subscribing to the DNDS to receive documents identified that pertain to one or more subscribed subjects of interest with a plurality of workflow modules that can be added or removed;

wherein (i) at least two workflow modules produce one or more documents that are published to one or more of the document repositories, (ii) a first workflow module publishes to one of the document repositories a first document which is detected by the DNDS and which pertains to at least one subscribed subject of interest of a second workflow module, and (iii) subsequent to the publication of the first document by the DNDS to the one of the document repositories, the DNDS delivers the first document to the second workflow module that does not require the first workflow module to produce a second document; and

wherein one of the at least two workflow modules is associated with a user that performs one or more tasks to produce one or more documents that are managed by a workflow module according to subject matter described in the one or more documents.

11.   (Previously Presented) The method according to claim 10, further comprising subscribing with notification targets to subjects at the DNDS to receive alerts when documents are identified that pertain to one or more subscribed subjects of interest.

12.   (Previously Presented) The method according to claim 10, wherein one of the plurality of workflow modules is one of a web service and a process associated with a user that performs one or more tasks to produce the one or more documents.

13.   (Original) The method according to claim 10, further comprising processing the first document at the DNDS before delivering it to the second workflow module.

14.   (Original) The method according to claim 13, wherein said processing comprises one of summarization, enrichment, and translation.

15.   (Previously Presented) The method according to claim 10, wherein the method further comprises at the DNDS:

    (a)   monitoring events and attributes concerning detected documents for which notification or delivery are performed; and

    (b)   using the monitored events and attributes to identify ones of the detected documents as highly rated documents for notification to users not originally subscribed to the subject of interest for which the notification or delivery is performed.

16.   (Previously Presented) The method according to claim 10, further comprising:

    storing a plurality of documents at a plurality of document repositories;

    representing subjects of the plurality of documents in the plurality of document repositories with a subject directory;

    representing a plurality of users accounts, with each user account subscribing to at least one subject of interest with a profile directory;

    monitoring document notifications and delivery requests associated with the document notifications to provide subject refinement data; and

using the subject refinement data to refine subjects in the subject directory.

17.   (Previously Presented) The method according to claim 10, further comprising:

storing a plurality of documents at a plurality of document repositories;

representing subjects of the plurality of documents in the plurality of document repositories with a subject directory;

representing a plurality of users accounts with a profile directory, where each user account subscribing to at least one subject of interest;

monitoring frequency of user delivery requests for document notifications concerning each subscribed subject of interest to provide profile refinement data; and

using the profile refinement data to refine user preferences for document notification and delivery.

18.   (Previously Presented) The method according to claim 10, further comprising:

recording component failure information;

assigning each of the document repositories according to one of a plurality of operating behaviors using the component failure information; and

determining appropriate action to take in response to component identified failures using the operating behavior assigned to the document repository to which the component is associated;

wherein the plurality of operating behaviors are rated as one of: "very reliable," "reliable," "unreliable," and "very unreliable."

19.   (Currently Amended) An article of manufacture for operating a document management system, the article of manufacture comprising computer usable hardware media including computer readable instructions embedded therein that causes a computer to perform a method, wherein the method comprises:

storing documents in one or more document repositories;

detecting documents pertaining to subjects of interest that are stored in the document repositories with a document notification and delivery service (DNDS); and

subscribing to the DNDS to receive documents identified that pertain to one or more subscribed subjects of interest with a plurality of workflow modules that can be added or removed;

wherein (i) at least two workflow modules produce one or more documents that are published to one or more of the document repositories, (ii) a first workflow module publishes to one of the document repositories a first document which is detected by the DNDS and which pertains to at least one subscribed subject of interest of a second workflow module, and (iii) subsequent to the publication of the first document by the DNDS to the one of the document repositories, the DNDS delivers the first document to the second workflow module that does not require the first workflow module to produce a second document; and

wherein one of the at least two workflow modules is associated with a user that performs one or more tasks to produce one or more documents that are managed by a workflow module according subject matter described in the one or more documents.

20. (Previously Presented) The article of manufacture according to claim 19, wherein the method further comprises subscribing with notification targets to subjects at the DNDS to receive alerts when documents are identified that pertain to one or more subscribed subjects of interest.